Special Issue

Fatigue and Aging Degradation of Polymeric Materials

Message from the Guest Editor

The development of polymer engineering, the search for new, innovative materials with often programmable properties has resulted in the expansion of the area of their application, especially in the transport, construction, military, packaging and medical industries. The application of new polymeric materials often requires a synergistic solution, combining a number of mechanical, electrical, thermal, requiring specific model approach. In this approach, the knowledge of exploitation characteristics resulting from the aging and fatigue degradation of polymeric materials is also important. Qualitative and quantitative defined degradation processes is important for both construction design and safe exploitation. The aim of this Special Issue is to exchange information about changes in the characteristics of polymeric materials and their composites during exploitation. Particular emphasis will be placed on assessing the impact of degradation factors on the exploitation properties of the tested materials and defining the mechanisms of their destruction using non-destructive testing methods.

Guest Editor

Dr. Małgorzata Szymiczek
Department of Theoretical and Applied Mechanics, Silesian University of Technology, 44-100 Gliwice, Poland

Deadline for manuscript submissions

closed (5 October 2022)

Polymers

an Open Access Journal by MDPI

Impact Factor 4.9
CiteScore 9.7
Indexed in PubMed

mdpi.com/si/75152

Polymers
Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland
Tel: +41 61 683 77 34
polymers@mdpi.com

mdpi.com/journal/polymers

Polymers

an Open Access Journal by MDPI

Impact Factor 4.9
CiteScore 9.7
Indexed in PubMed

mdpi.com/journal/polymers

About the Journal

Message from the Editor-in-Chief

Since its foundation in 2009, *Polymers* has developed into an internationally renowned, extremely successful open access journal. The editorial team and the editorial board dedicatedly combine open-access publishing and high-quality rigorous peer reviewing. The performance of the journal has proven this strategy to be well-suited and highly successful. This is reflected in the increasing impact factor of *Polymers*, the most recent one being 4.9.

I would like to invite you to contribute to the success of the journal by sending us your high quality research papers. We would be pleased to welcome you as one of our authors.

Editor-in-Chief

Prof. Dr. Alexander Böker
Fraunhofer-Institut für Angewandte Polymerforschung, Lehrstuhl für Polymermaterialien und Polymertechnologie, Universität Potsdam, Geiselbergstraße 69, 14476 Potsdam-Golm, Germany

Author Benefits

Open Access:

free for readers, with article processing charges (APC) paid by authors or their institutions.

High Visibility:

indexed within Scopus, SCIE (Web of Science), Ei Compendex, PubMed, PMC, FSTA, CAPlus / SciFinder, Inspec, and other databases.

Journal Rank:

JCR - Q1 (Polymer Science) / CiteScore - Q1 (General Chemistry)

MDPI